

## NOTEWORTHY COLLECTION

### CALIFORNIA

*CHIMAPHILA MENZIESII* (R. Br. ex D. Don) Sprengel (ERICACEAE). —Humboldt Co., Lanphere Dunes Unit, Humboldt Bay National Wildlife Refuge, 5 m, Tye City quadrangle Section 23, SENW, 10S 0403652 E., 4526990 N., one population of 50 plants was found growing in a 3 × 3 m area in a coniferous dune forest, in unvegetated duff under *Morella californica* with *Pinus contorta* subsp. *contorta*, *Picea sitchensis*, *Goodyera oblongifolia*, *Vaccinium ovatum*, *Frangula purshiana*, and the terricolous moss *Kindbergia oregana*. Plants were less than 10 cm. tall, 21 February 2011, Adam N. Canter 003 (HSC).

One coastal population previously noted (03 June 1979, Seacat and Seymour 193 (HSC)) was relocated; Mendocino Co. quadrangle Section 28 SWSE, 10S 0434180 4350344, 5 m, approximately 1.5 mile upriver, south side, in a mixed conifer forest, *Pseudotsuga menziesii* dominant stand with adjacent *Tsuga heterophylla*, *Abies grandis*, and *Sequoia sempervirens*. Understorey consisted of *Lithocarpus densiflorus*, *Rhododendron macrophyllum*, *Vaccinium parvifolium*, and *Polystichum munitum*. Herbaceous layer included *Oxalis oregana*, *Disporum smithii*, *Goodyera oblongifolia*, *Vancouveria* spp., *Berberis aquifolium*, *Hierochloe occidentalis*, and *Kindbergia oregana*. Population +/- 50 individuals, 10 × 10 m area, 27 November 2011, Adam N. Canter, Ana L. R. Canter 001 (HSC).

A population of 18 individuals was found approximately 1 km south of the initial detection discussed above, (Adam N. Canter 003); Section 23 SESW, 10S 0403713 E., 4526777 N., in a more *Picea sitchensis* dominated patch, within the same plant community, 21 February 2011. No physical collection was made due to the conservation concerns of this small population.

A third population of 7 individuals was detected further south at the Ma-le'l Dunes Unit, under dense *Vaccinium ovatum* with *Chimaphila umbellata* and *Listera cordata* as community associates in addition to those at the other sites, Section 26 NESW, 10S 0403474 E., 4526046 N., 01 December 2011, Adam N. Canter 002 (HSC).

*Previous knowledge.* *Chimaphila menziesii* is treated by Wallace and Haber (2012) as uncommon, occurring in montane conifer forest, 1000–2500 m, and flowering June–August. The lower elevational range is closer to 400–500 m, according to the most recent list of records for this species in California provided by the California Consortium of Herbaria (2012). Coastal populations have been noted in Haida Gwaii (Queen Charlotte Islands), British Columbia, first detected in 1999 (Smith and Buttler 1999; Jan Oord, Laskeek Bay Conservation Society, personal communication) and one isolated population on the Big River Estuary, Mendocino Co. California (03 June 1979, Seacat and Seymour 193 (HSC)).

*Significance.* This is the second report of *Chimaphila menziesii* in the hypermaritime coastal zone, south of British Columbia, and the second documented detection in the North Coast subregion of Northwestern California. Plants were not observed flowering until October, and continued to flower through December 2011.

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### LITERATURE CITED

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- WALLACE, G. D. AND E. HABER. 2012. *Chimaphila* in Jepson flora project (v. 1.0), Jepson eFlora, Regent of the University of California, Berkeley, CA. Website: <http://ucjeps.berkeley.edu/IJM.html> [accessed 02 February 2012].